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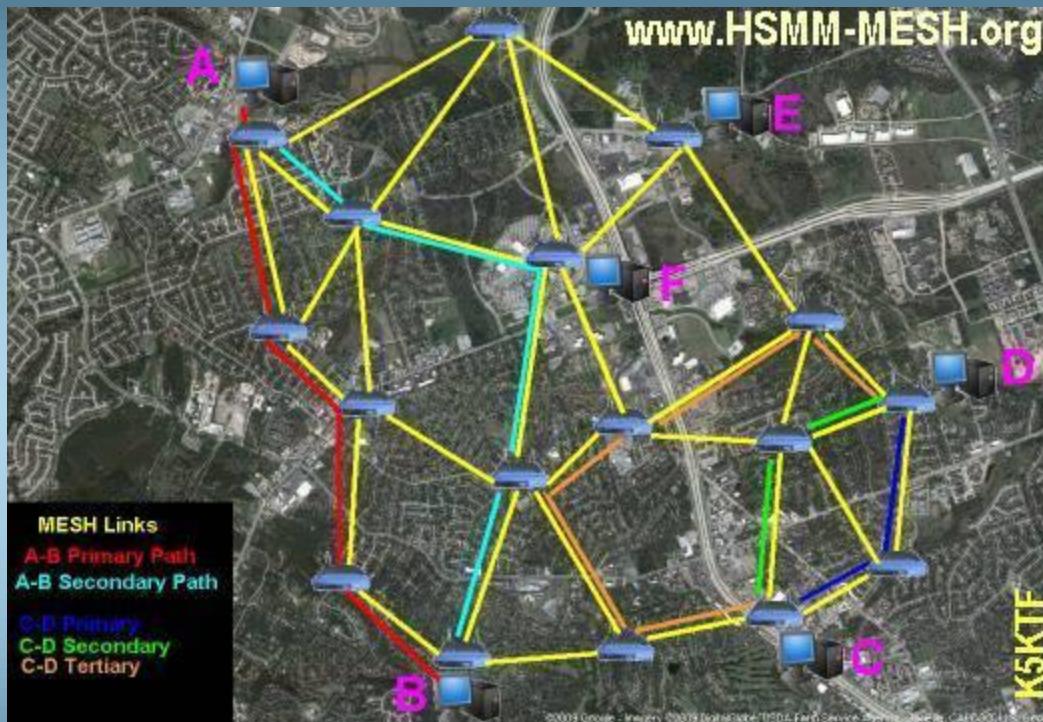
GARzette

The Official Newsletter of the Gwinnett Amateur Radio Society
September 2013 <http://www.gars.org/> Volume 22, Issue 9



BROADBAND-HAMNET

A high speed, self discovering, self configuring, fault tolerant, wireless computer network that can run for days from a fully charged car battery, or indefinitely with the addition of a modest solar array or other supplemental power source. The focus is on emergency communications.



As long as one node can see another, devices on the network can talk to other devices on the network. Each node can relay traffic between nodes. You can see that between any 2 computers or devices, you can have multiple paths, giving redundancy in case one node goes down.

This is the topic of our next meeting. You won't want to miss it!
Tuesday, September 10th Starting at 7pm

Message From The President

As I write this, I have just returned from the 2013 Big Peach Sizzler 10K running event where Gwinnett ARES provides race communications as a service to the community. The people I met at the event were all so friendly and appreciative for what we do. In the group I was tasked with, all the event coordinators were eager to shake my hand and introduce themselves. As expected with an event of this large size, issues came up. But our members addressed them and professionally and creatively. Events like this remind me of the importance of the service oriented aspects of our beloved hobby, and the rewarding feeling you get by doing them.



Kyle Albritton—W4KDA

We also just had the GARS QSL event. It was a small event, but we got about ten people to be able to exchange QSL cards. In most cases, it was the first QSL card any of these newer hams will have received, so it is a nice start for them. Thanks to the long time hams who helped out with this event to get the newer hams started in the world of QSL cards.

Speaking of events, we have a couple of noteworthy ones coming up. This month, GARS is having a fox hunt called "The Shy Fox." This one is a little more challenging than the one we did last year ("The Lazy Fox"), but will still be easy enough for beginners. There is more information about the fox hunt elsewhere in this Garzette. Next month, GARS helps the scouts with JOTA (Jamboree On The Air). That event helps familiarize scouts with amateur radio and gets them on the air, usually for the first time. It is an excellent event that GARS is proud to help with. If you want to volunteer to help with JOTA, see Steve Back or David Joyce at the monthly GARS meeting.

There is one last upcoming event to mention. NFARL and SEDXC are sponsoring another HamJam event in November. In a nutshell, HamJam is an entertaining and educational gathering of radio amateurs from around Atlanta. They have speakers come to talk about fascinating and sometimes esoteric aspects of our hobby. This year they have three famous, interesting, and insightful speakers you will **not** want to miss. <http://www.hamjam.info/> for more information.

Thanks to all the folks who came out to work parking for the dog show, as well as to those folks who planned and set up this large scale event. The service we provide helps keep the event working smoothly. And the donation they give to GARS for our work makes it possible for us to keep our repeaters on the air, use our meeting building, and pay for events all year long such as TechFest, the GA QSO Party, and Field Day just to name a few.

For this month's meeting, Steve Garrison will be showing us about hacking, networking, and ham radio all rolled into one. There is no doubt in my mind that it will be an interesting one. I look forward to seeing you all there.

As always, may you have great health, wealth, and all your contacts be 59,

Kyle, W4KDA



GARS September Meeting

*Broadband Hamnet (formerly HSMM-Mesh)
or... How to catch a hog with a wide rope?*

By Steve Garrison N4TTY

**Meetings are held on the 2nd Tuesday of each month at 7pm.
(except December)**

**Sports Aviation Complex - Hangar 1
690 Airport Road
Lawrenceville, GA 30045**

[Directions](#)

TechFest 2014

**January 11, 2014, Lawrenceville, GA
sponsored by the Gwinnett Amateur Radio Society**

TechFest is both an *ARRL-sanctioned hamfest* and a *show-and-tell* of the various facets of amateur radio. TechFest forums and exhibits planned cover:

•MARS	•SSB	•D-STAR	•CW
•Echolink	•QRP	•PSK31	•Packet
•VHF	•AMSAT	•UHF - 900	•HF

Other attractions include:

•ARRL Exhibit	• ARES	•Local EmComm	•Tailgating
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and it's all free, no entry fee, no tailgate fee and a free lunch!

Do you know someone you'd like to introduce to ham radio? This is an excellent opportunity to do so!

TechFest will be held at: Gwinnett Medical Center's Resource Center
 665 Duluth Highway (GA120)
 Lawrenceville, GA 30046.

For more info, visit www.gars.org.

advance information 05/2013
subject to change

HUNTSVILLE HAMFEST

It's the end of the summer. I know - not because school has started or because it's Labor Day but because the Huntsville Hamfest is over.

Held the third weekend each August, it has become one of the largest and most informative

hamfests in the east and it seems to be very popular among Atlanta Hams. This year about a dozen GARS members made the 4-hour trip and I saw quite a few Atlanta area hams as well.

One reason the hamfest is so successful is due to the forums that are held. This year there were 28 on Saturday and 7 on Sunday. One of the most popular was Dr. David Hathaway's forum on Sunspots and Solar Activity. This was his 16th year to talk to hams and, since sunspots affect HF propagation, his forum was well attended. He had some interesting predictions and if you want to hear those predictions plan to be at Techfest in January. Norm Schklar, WA4ZXV, has persuaded Dr. Hathaway to attend and you'll enjoy his presentation.

Other forums included talks on Lightning Protection, RTTY, amateur involvement in the search for extraterrestrial intelligence [SETI, Ed], APRS, the



G5RV antenna, and a review of new rigs introduced at Dayton. With 5 forums going at once I couldn't attend all I wanted, but that only illustrates how much diversity exists in the amateur radio community and how many areas there are in which I'd like to become more proficient.

Two grand prizes were given away on Saturday, a [Kenwood] TS-590 and an ICOM IC-7100, and a radio every hour (10AM til 2 PM) on Sunday. I didn't win nor did anyone I know win. This is probably because I had only one ticket and I overheard a member of the Huntsville club say that they ran out of the 15,000 tickets they preprinted. Maybe I'll have a better chance in November at the Alford hamfest.

So summer is over, school has started, and I didn't get to all the forums I wanted to. But I'm not going back to school, cold weather is not so bad and Techfest and HamJam are coming up. And there will be another hamfest in Huntsville next year. I'll be there.

Earl Whatley - AF4G

QRZ.com for Newbies

What is all the buzz about QRZ.com? If you are a new ham operator and have not yet discovered this website, let me introduce it to you. QRZ was founded in 1992 by [Fred Lloyd, AA7BQ](#). You may read the entire history about QRZ.com here: <http://www.qrz.com/page/about.html>. This wonderful website provides a look-up for Amateur Radio Call Signs and more. FIRST, if you haven't registered, please do so and log in. When you type in a Call Sign and click on Search (or simply press ENTER), you will be taken to a Biography of the license holder of that Call Sign. If the owner has edited their QRZ.com entry, you will see information that they want others to read, and many times, a picture of their radio station. As a Net Control Station for two different HF Nets, I use QRZ.com to assist me. Whenever someone new checks into my net, I look them up and find their NAME and LOCATION, and, if I am on 20 meters, using my beam, I click on the Detail tab to find the beam heading to use. In the Detail tab there is a lot more information such as their License Class, coordinates, Grid Square, and sometimes, date of birth. That's always interesting, although not all Amateurs allow that to be seen. Here, you can also see how many people have looked up their (or your) call sign.

Now you may think "that's good, but what else can I do?" I'm so glad you asked! If you click the next tab to the right, called LogBook or, if you have never used it: "Log a NEW contact with K4xxx", you will find an interactive log of stations you have contacted and/or who have contacted you and made a log entry.

Across the top of the web page you will find menu items such as Database, News, Forums, Swapmeet, Resources, Contact, and your Call Sign (if you are registered and logged in). Let's look at the Database menu. One of the many things you can do there is a lookup of all the Hams in your zip code. I clicked on Database, and then selected Advanced Search, and entered "Buford 30519" (without quotations) in the Lookup: window and set the Type: to "by Name/Addr" and got 109 matches. I had no idea we had so many Hams in my zipcode. This made me want to learn more, such as looking up call signs with specific letters or patterns. This can be done using "???s", known as wild cards, anywhere in your search, which is a very useful technique. For example, I did a lookup of all calls that end in "GYN" by entering "?GYN" as the search criteria. This brought up call signs having one letter and one number before the "GYN". I got 19 matches. If you want to try for call signs that are 3 by 3, like "WB4FGF", you would enter "??FGF". I tried this and got 67 matches! Whahoo! Or try "W?????" for all the W7 calls. Or, try "?4???" and see all the 2 by 3 calls issued for the 4 area. By the way, if it's not a direct match, it will have a note in red letters saying (**alias match**).

There are many more things you can do in the Database menu, like Current Hot Callsigns, XML Logbook Data, QSL List-Maker, etc. Moving over to the News tab, you will get the latest Amateur Radio News, General Announcements, Special Events, Contests, Etc. and more. Under the Forums tab, (you don't even have to go to a Hamfest), you will find Forums Home, Discussions, Editorials, Talk, Technical Forums and more. The Swapmeet tab is a favorite of mine when I'm looking for something for sale. Here is a Hot List, Ham Radio Gear for Sale, Ham Radio Equipment Wanted..., and even a Stolen Radios, Scams and Rip-Off's list. The Resources Tab has Practice Amateur Radio Exams and Study Guides and License Renewals and License Wall Certificates, etc.

Finally, if you put your cursor on your own Call Sign, you will be able to go to your own listing (if you aren't already), and edit your entry, or go to your Logbook or your Account. And at the bottom of that Menu item you may Log Out. I hope you enjoy using QRZ.com more now. The XML Logbook Data Service provides a superior high performance back-end connection to the QRZ database. I use this to do automagic look ups while in HRD Logbook. Happy Hamming!

Ray Bailey - N4GYN



Dog Show Review

GARS and Gwinnett ARES helped with the Cherokee Rose Cluster again. We do this twice a year as a fund raiser for both organizations. It's a lot of work, but many of us think it's easier than selling donuts or other fund raising events.

We collect parking fees at the gate, keep the traffic moving around the building, and reserve the Reserved Parking spaces for the Reserved Parking Permit vehicles.

Of the several thousand folks that go through the gates, about 30% are special. They have a special story, reason to get in free, in a hurry because they left home late, or just need someone to speak with [tongue in cheek—Ed].



David, KA4KKF has been running the on site operations for the past umpteen years, and it's down to a science, weird science that is! Most things run smoothly with the occasional dog that gets away from the owner, or driver that sneaks a parking place they are not supposed to use. And of course the wrong way drivers. And last year we even helped find a missing child.

This year David parted the rain for four mornings and we went home wet from sweat instead of rain. This is a rain or shine event. We've been through several days of rain, freezing weather, freezing wet weather and baking sun. It just makes us tougher.



Many of the tasks are well suited to sitting down most of the time. Others require folks to be on the move. Nothing is hard, just sometimes gets to be long. Many work the whole eight hours even though the shifts are in 4 hour increments. Once you drive down there, might as well stay!



We get to glow in the dark, use our radios, tell a few tall tales, eat some good, "bad for you", meals. And see a lot of dogs; big dogs, little dogs, mean looking dogs, owners that look like dogs and dogs that look like their owner. If you are walking across a piece of grass, watch your step.

JUDGING PROGRAMS

Cherokee Rose Cluster

SUMMER SHOWS 2013

ARTWORK BY CAROL A. KELLY DECEMBER 14, 1998
GEORGIA STATE FLOWER

Griffin Georgia Kennel Club, Inc.
Savannah Mountain Kennel Club of Georgia, Inc.
Lawrenceville Kennel Club, Inc.
Conyers Kennel Club of Georgia, Inc.

A logo for the Cherokee Rose Cluster Summer Shows 2013. It features a map of the state of Georgia with several white rose flowers drawn on it. The text "Cherokee Rose Cluster" is written above the map, and "SUMMER SHOWS 2013" is written to the right. Below the map, there is smaller text that reads "ARTWORK BY CAROL A. KELLY DECEMBER 14, 1998" and "GEORGIA STATE FLOWER". At the bottom, it lists several kennel clubs: Griffin Georgia Kennel Club, Inc., Savannah Mountain Kennel Club of Georgia, Inc., Lawrenceville Kennel Club, Inc., and Conyers Kennel Club of Georgia, Inc.

If you missed this one, don't fret. There's another one coming up before you know it.

Norm Schklar — WA4ZXV (also see "Dog Show Memories" on Page 17)

WK4T (SK) Story

Not too long ago, I got a call from KI4H, Stan McDonald, up in Gainesville. We talk with each other at least once a week on either 14.300 MHz or 7.272 MHz where I am net control for an hour. Stan told me that his cousin, WK4T, Robert McDonald had passed away and that his widow, Barbara, needed help with moving his radio equipment out of the house. She specifically wanted all his equipment to go to a radio club as a donation and memorial. Stan knew that I belong to GARS, so he asked me if I would be willing to take on the job. I said that I would be glad to do that.

If you haven't heard the story about Robert McDonald—WK4T, I would like to share it with you. You see, he wasn't just anybody, he was a man of many talents and accomplishments. At the end of this article, you can click on a link to read about his life.

When I arrived at the McDonald's house in Gainesville, I was overwhelmed with the size of the task. Bob's room was filled with a test bench, parts, radios, HT's, test equipment, and Motorola 2-way business radios there. On one wall was a SAMS library of "Photofacts" for almost every CB radio ever made. In this picture you can see a portrait of

Bob, various awards and plaques, and the library of SAMS at the bottom. On the roof were two large antennas and several small ones. We made the antennas our first priority, to minimize the possibility of a lightning strike.

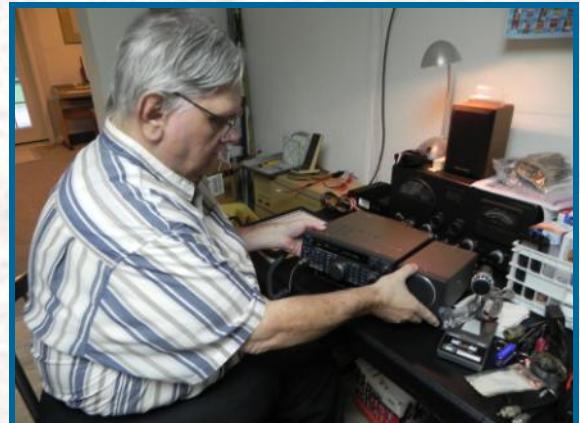
When I met Barbara, Bob's widow, she made it clear that she wanted all of his equipment to be given "In Honor and Memory of Robert H. McDonald". She especially wanted to make things available to those who can't afford much on their own. Because of this request, we have given the only HF transceiver to a deserving person, Phil McCleary—N4LNE, in our club along with a certificate commemorating the event and honoring Bob—WK4T. See several pictures of this event on this page.

I have posted a list of remaining equipment on the GARS Yahoo Group and will continue to update the list for your consideration. Please look carefully. There may be something there you could use. All proceeds will go to Gwinnett Amateur Radio Society with a percentage given to Bob's widow, Barbara McDonald.

To read about Bob's life, click [HERE](#). I want to thank the following for their help with this project: Stan-KI4H, Jeff-AB4HF, Norm-WA4ZXV, Mike-ND4V, and my wife Sherryl-N3MIU.

Rest In Peace, Robert H. McDonald, AKA WK4T.

Ray—N4GYN



GARS "Shy Fox" DF Adventure



You are invited to join us for the **GARS "Shy Fox" Direction Finding Adventure**. It will take place on ***Saturday September 21st at 9:30AM*** starting in the parking lot at the Golden Coral on Riverside Drive after the weekly GARS Family Breakfast.

This one should be a little more challenging than the GARS "Lazy Fox" back in 2012, but certainly not too difficult for beginners. In this hunt, expect to use a car and perhaps also do some walking too as you hunt down the shy fox.

Forming teams of 2 - 3 people per car is probably best. If you have hunted before and have gear, then please take someone with you who does not have fox hunting gear. We will have one or two instructors to get everyone started and answer questions before beginning.



This is not a competition, although the first person to find the fox will surely get bragging rights. Fox Hunting is a useful skill, and this is meant to be an educational and fun outing. Take your time and enjoy the experience. Feel free to coordinate with other teams. Multiple teams can use triangulation to find the fox more quickly.

THE FOX WILL:

- be on 2 meters
- transmit on consistent time intervals
- stay on air as long as reasonably necessary for all hunters to find the fox
- be in Gwinnett County

THE FOX WILL NOT:

- change location
- vary power
- change its signal direction

You DO NOT have to be a member of GARS to participate.

Coming September 27 & 28

W4DXCC DX and Contest Convention

W4DXCC IX - September 27 & 28, 2013

Pigeon Forge, TN MainStay Convention Center



Now in its 9th year, the W4DXCC DX and Contest Convention is the Southeast's largest and most highly attended ham radio event. This year W4DXCC IX takes place at the MainStay Suites in Pigeon Forge Tennessee on September 27th and 28th. A full schedule of popular presenters will speak on DX and Contest subjects throughout the convention.

It's About Fellowship



And there's more . . .

- Prize drawings will be conducted between presentations.
- Drinks and snacks are included in the registration cost and will be available throughout the convention.
- Equipment manufacturers will be on hand to demonstrate new products and answer questions face to face.
- A banquet rounds out the day and sets the stage for the grand prize drawings.
- The Ten-Tec Hamfest is Saturday, the 28th starting before the convention. Both hamfest and convention can be attended on Saturday.
- A full range of shopping for the family is located nearby along with water parks, go-cart tracks and Dollywood. Bring the family for a wonderful weekend of fun.
- Check out the WEB site for complete details, program schedule, cost, and housing. We're filling up fast - book early!

www.W4DXCC.com

HAMJAM 2013



HamJam 2013 will take place on **Saturday, November 9th** at the Metropolitan Club, 5895 Windward Pkwy, Alpharetta, GA.



NFARL, SEDXC and our sponsors are pleased to be able to present the event as a public service to the amateur radio community. We hope you will be able to attend and enjoy a morning of visiting with fellow hams, listening to and interacting with our speakers, and the potential to win one of our raffle prizes.

The event is open to all hams and admission is **FREE** thanks to the generosity of our sponsors ... and your generosity in purchasing raffle tickets.

Speakers

Three outstanding speakers will share their insights into ham radio at the 2013 edition of HamJam: Bob Allphin, K4UEE; Dan Henderson, N1ND and Riley Hollingsworth, K4ZDH.



Bob Allphin, K4UEE, has been a ham for over 55 years. He is one of the best known operators and DXers in the world, and has significantly impacted the DX side of ham radio with his abilities as an organizer and participant in numerous expeditions, 9 of which received the coveted "DXpedition of the Year" award. Bob will share some of his highly interesting "Behind the Scenes" stories at HamJam. For more information on Bob please click [here](#).



Dan Henderson, N1ND, has been a ham for over 43 years, and is currently the ARRL's Regulatory Information Manager, where he strives to help hams operate legally, safely and appropriately. Dan has been involved in many facets of the hobby, which supports his broad range of interests in general. Dan will share some of his insights into the fascinating hobby we share in a most compelling way at HamJam. For more information on Dan, please click [here](#).



Riley Hollingsworth, K4ZDH, has been a ham since 1960 and after earning his law degree served in several capacities with the FCC, from which he retired in 2008. In his words "I enjoyed every day of my career at the FCC, but my last 10 years there in the Amateur Radio enforcement segment was the greatest privilege of my life and gave me an opportunity to pay back in some way all of the joys and rewards Amateur Radio gave me". Riley has many interesting stories from his days at the FCC, and he will share some of them at HamJam. Please click [here](#) for more information on Riley.

Raffle

A number of wonderful prizes will be raffled to help the sponsoring organizations offset expenses and hopefully have some funds left over for their scholarship funds. Raffle tickets are available for a \$5 donation (5 for \$20). Click [here](#) to view the Raffle Rules. Click [here](#) to visit our Mart and purchase tickets via the internet. You may also purchase raffle tickets from NFARL and SEDXC officers and at our ticket sales tables at HamJam until the mid-morning break.

You do not have to be present to win one of the top three prizes.
You must be present to be awarded one of the other raffle prizes.

Hustler Mobile Antenna Modifications

As I had written in a previous Garzette article, I enjoy operating HF mobile. I have used a number of different antennas on my vehicles including an Outbacker Perth, an OPEK HVT-400, "Ham Sticks", and the Hustler. Each of these antennas has its strengths and weaknesses and I have had good results with each.

I came across an article in World Radio magazine where a Ham had taken a 15 Meter Hustler radiator, removed the existing top whip and replaced it with one of 44 inches in length. He said this will be resonate on 20 meters. Since I already had a 15 Meter resonator, I bought a whip, cut it down to 44 inches, installed in the resonator and put that on top of the Hustler mast. My Kenwood TS-480 tuned the antenna with a minimum of clicks and I was in business.

I made many contacts with this setup and received many excellent signal reports. I even worked Australia sitting in a parking lot in Snellville. During a contact with a Ham in Atlantic City NJ, also operating mobile, I described the modification and he said he was going to drive down to the New Castle, Delaware HRO location and pick up a resonator and whip.

Fast forward to last month. I started to wonder about modifying other resonators, so I did a quick search on the Internet and found a message in a forum where a Ham had taken a 30 Meter resonator, added a 56 inch whip and used this on 40 meters. Off I went to HRO where I picked up the resonator and whip. I came home, installed the whip and mounted it on the mast, and sure enough, it tuned 40 Meters. On a trip up to Dahlonega, I checked into the SouthCARS and MidCARS nets. The net control for MidCARS was in Ohio and she said they normally did not get checkins from mobiles in Georgia during the day. She added that I did have a good signal, so the setup works.

I then decided to experiment further with some of the other Hustler resonators. I bought another 54 inch whip and replaced the existing whip on a 40 Meter resonator hoping it would tune 75 Meters. No such luck. With the extra length, it resonated at 5.9 MHz, too high for the tuner in the TS-480 to tune and it would not tune 60 Meters either. So, I installed the whip on a 60 Meter resonator and it resonated at 4.7 MHz, again too high for the TS-480.

So, what to do with the whip? Let's see. A quarter wave at 28.345 MHz is 104.145 inches, a 54 inch whip plus the 54 inch Hustler mast equals 108 inches! I installed a ferrel from a Hamstick along with a 3/8 x 24 coupler on the whip and mounted it on the mast and the TS-480 tuned it on 10 Meters.

The 4th harmonic of 14 MHz is 56 MHz, so the modified 20 Meter resonator will tune the upper part of the 6 Meter band. I have talked on the GARS 6 Meter repeater (53.110) with this setup, but the TS-480 won't tune it down in the 50 MHz range.

The major drawback to this system is the length of the antenna. On 20 Meters it measures 106 inches (8 feet - 10 inches) and on 40 Meters it's a whopping, tree limb whacking, 120 inches long. Add the height of the mount on the vehicle above the ground and you can see you might be a hazard to low flying aircraft. On my setup, 40 Meters is an inch over 14 feet.

Although the weight of the 40 Meter setup is about the same as the Outbacker, the wind loading at Inter-state speeds seems to be greater for the Hustler since the resonator is higher up the mast than the coil section of the Outbacker, which is at the bottom, so, I decided to use fishing line to guy the Hustler.

While not a Hustler modification, I bought a 102 inch whip with a 3/8 x 24 mounting stud from a local CB shop and cut it down to 54 inches for 6 Meters use. A 102 inch whip can also be cut down to 1/4 wavelength for use on 10 Meters with good results.

Here you have the results of my experimentation and if you use the Hustler antenna you might want to try some of these modifications. Just watch out for parking decks, tree limbs, and low hanging wires.

Bill Cherepy, WB4WTN

GARS Membership Page

New GARS Members in August

John Dreggors (KK4SWV)

Gloria Gancarz (KK4SZD)

Sherwin Levinson (KK4SWM)

Keith Wells (KK4SQI)

New Members: 4

Total Members as of September 1, 2013

- 246 -

Join us for our weekly breakfast gathering at 7:30 AM Most Saturdays at:

Golden Corral
2155 Riverside Parkway
Lawrenceville, GA 30043
[\(Directions\)](#)

Also, before our Tuesday meeting you are invited to join other GARS members and guests dining at:

The Flying Machine (starting about 5:30 PM)
510 Briscoe Blvd. NE
Lawrenceville, GA
[\(Directions\)](#)

The following members are celebrating birthdays in September:

**HAPPY BIRTHDAY!!
From All of Us at GARS**

Karen Albritton (KI4HPP)

Sherryl Bailey (N3MIU)

Octavian Craiovan (K4ASH)

Pierre Decatrel (WB1EZK)

Steve Dice (KK4MQA)

James Digby (KK4BWE)

James Drumm (N2FOF)

Steven Ehly (KM4PAX)

Jim Farmer (K4BSE)

Roger Gibson (WB4T)

Van Hill (KK4GGC)

Richard Latty (KC4PLT)

Greg Mauldin (AF4RZ)

Pamela McMurray (KJ4WEI)

Dennis Nichols (WB4TID)

Justin Pike (KJ4AXF)

Patrick Pike (KJ4AXD)

Al Seaman (WA2CBM)

Keith Smith (KK4MJX)

Michael Sowinski (KD2BBP)

Matt Steinberg (KK4NAA)

John Stockinger (KC4RFK)

Sam Thomas (KV4MY)

Richard Waigand (K4KME)

Carter Wood (AG4LK)

GARS Membership

To become a GARS member, or to renew your GARS membership, please visit our website—<http://www.gars.org>

To make changes to your GARS membership (moved, new email address, new phone number, etc.), please email the Membership Committee - membership@gars.org

You can **renew or update** your Amateur Radio license information with the FCC at their website for free - <http://wireless.fcc.gov/uls/index.htm?job=home>

To update your ARRL information, please visit their website - <http://www.arrl.org>

Membership Chairman: Rick Cobb, N4XYY

Committee Members: Karen Albritton, KI4HPP; Richard Atkin, KJ4ZTY.

NET MANAGERS CORNER

Hello Everyone from N4LNE, GARS Net Manager.

I want to thank everyone for taking the time to check in to the nets and I especially wish to thank the NCS and ANCS stations for their time and effort.

Please think about adding your name to the list as NCS or ANCS.

Monday Night Net Stats

DATE	CHECK INS	NCS	ANCS
08/26/2013	25	Norm WA4ZXV	Jeff AB4HF
08/19/2013	37	Ray N4GYN	Phil N4LNE
08/12/2013	25	Sandy KJ4DRO	None
08/05/2013	29	Norm WA4ZXV	Robert KK3BOB

Wednesday Night “Know It All” Net Stats

DATE	CHECK INS	NCS	HOST
08/28/2013	15	Jeff AB4HF	John WB4QDX
08/21/2013	28	Jeff AB4HF	Ray N4GYN
08/14/2013	15	David KA4KKF	Phil N4LNE
08/07/2013	15	Jeff AB4HF	None

73'

See you on the Nets!

Phil, N4LNE
Net Manager



TOPICS for the “KNOW IT ALL” Net - For August -

September-04	QSL Cards— by Norm, WA4ZXV
September-11	Ham Publications
September-18	Antennas - Facts or Myths
September-25	DSP Digital Signal Processing

Everyone is having great fun on this new net! Come join us and become a “KNOW IT ALL”.

TIME: 8:30 every Wednesday evening on the GARS repeater - 147.075, PL 82.5

ARRL CONTESTING INFO

SEPTEMBER

September VHF QSO Party: Second full weekend of September, 1800 UTC Saturday through 0259 UTC Monday

10 GHz & Up Contest - Leg 2: Third full weekend of August, 6:00AM local time Saturday through 11:59pm local time Sunday.

NOVEMBER

November Sweepstakes - CW: First full weekend in November, 2100 UTC Saturday through 0259 UTC Monday.

November Sweepstakes - Phone: Third full weekend in November, 2100 UTC Saturday through 0259 UTC Monday.

DECEMBER

ARRL 160 Meter Contest: First full weekend in December, 2200 UTC Friday through 1559 UTC Sunday.

ARRL 10 Meter Contest: Second full weekend in December, 0000 UTC Saturday through 2359 UTC Sunday.

Rookie Roundup: Third Sunday, 1800 UTC through 2359 UTC.

September

- 14-16 [September VHF](#)
- 21-22 [10 GHz & Up- Round 2](#)
- 28-29 [EME Contest – 2.3 GHz & Up](#)

October

- 21-25 [School Club Roundup](#)
- 26-27 [EME 50-1296 MHz-Round 1](#)

November

- 2-4 [Nov. Sweepstakes – CW](#)
- 16-17 [EME 50-1296 MHz-Round 2](#)
- 16-18 [Nov. Sweepstakes – Phone](#)

December

- 6-8 [160 Meter](#)
- 14-15 [10 Meter](#)
- 22 [Rookie Roundup-CW](#)

HAMFEST CALENDAR

Southeast US

09/14/2013 | [Paulding ARC's 23rd Annual Hamfest](#)

Location: Dallas, GA
Type: ARRL Hamfest
Sponsor: Paulding County Amateur Radio Club
Website: <http://www.pauldingarc.com>

09/21/2013 | [Gadsden ARC Hamfest](#)

Location: Attalla, AL
Type: ARRL Hamfest
Sponsor: Gadsden Amateur Radio Club
Website: <http://www.garc.org>

10/12/2013 | [Amateur Radio Club of Augusta Hamfest](#)

Location: Blythe, GA
Type: ARRL Hamfest
Sponsor: Amateur Radio Club of Augusta
Website: <http://w4dv.org>

10/19/2013 | [Al Brock Memorial Hamfest/Tailgate](#)

Location: Rome, GA
Type: ARRL Hamfest
Sponsor: Northwest Georgia Amateur Radio Club
Website: <http://w4vo.org>

11/02/2013 | [Georgia Section Convention \(Stone Mountain Hamfest & Computer Expo 2013\)](#)

Location: Lawrenceville, GA
Type: ARRL Convention
Sponsor: Alford Memorial Radio Club
Website: <http://www.stonemountainhamfest.com>

11/09/2013 | [Montgomery Hamfest 2013](#)

Location: Montgomery, AL
Sponsor: Montgomery Amateur Radio Club
Website: <http://hamfest.w4ap.org/>

BSA Venture Crew 73 Wants You!

IF YOU are between 14 and 21 years old, enjoy outdoor activities, and have an interest in radio technology,

Venture Crew 73 is for you.

- Venture Crews are part of the Boy Scouts of America.
- *Venture crew 73 is chartered by the Gwinnett Amateur Radio Society.*
- Venture crew 73 is coed.
- *Meetings are on the second Tuesday of the month, 7:00 pm, at EAA 690 Hangar at:
Briscoe Field - Sports Aviation Complex
Hangar 1, 690 Airport Road
Lawrenceville, GA 30045*
- Crew 73 is a youth-run organization, which means that our Crew President and other youth plan the Crew's outings and activities each month.

We enjoy:

- ◊ Camping
- ◊ Hiking
- ◊ Horseback Riding
- ◊ Shooting Sports

- Crew activities usually mix high adventure and the use of Amateur Radio.
- For more information, attend our next meeting or contact:

Steve Back, WB2OGY

Venture Crew 73 Committee Chairman

Phone: 770-712-9069

Email: committeechair@venturecrew73.org

Jeff Lee, AF4JL

Venture Crew 73 Advisor

Phone: 678-475-3165

Email: advisor@venturecrew73.org



GARS Officers and Committee Chairs

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Earl Whatley, AF4FG
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Sandy Jackson, KJ4DRO
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VE Team



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Dorothy Jubon, N2DLJ
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WAS-Checker, Historian



Phil McCleary, N4LNE
Net Manager, ELMER Chair



Mike Swiderski, K4HBI
Technical Advisor



GARS Communications

2 Meter Repeater
147.075(+) MHz
82.5 PL Tone

2 Meter Repeater
147.255(+) MHz
107.2 PL Tone

APRS
144.390 -- 1200 Baud
W4GR

6 Meter Repeater
53.110 (-1 MHz)
82.5 PL Tone

D-Star
WD4STR
145.060 + (1.4 MHz)
440.550 + (5 MHz)

70 Cm Repeaters
444.525(+) MHz
82.5 PL Tone
442.100(+)
82.5 PL Tone

Main Repeater Site
Oak Street,
Lawrenceville

Backup Repeater Site
Lanier Mountain,

Just for Fun

"Plumbers delight" version of a fractal antenna for HF.



"This is the last time you're coming home late from your ham radio club meeting"!



GARS Recurring Calendar

- ◆ Monthly club meeting is the 2nd Tuesday of the month at 7 pm
- ◆ Every Monday at 8 pm: GARS Want, Swap, Sell, and Information Net on the GARS 2-meter repeater
- ◆ Every Wednesday at 8:30 pm: GARS Know It All Net on the GARS 2-meter repeater
- ◆ Every Thursday at 9 pm: GARS Round Table Net, 2 & 6 Meters
- ◆ Every Saturday at 7:30 am: GARS Weekly Family Breakfast, Golden Corral Restaurant, Riverside Drive, Lawrenceville

Meeting Minutes for August 13, 2013

- ◆ Kyle Albritton, W4KDA, President, called the meeting to order at 7:00 pm.
- ◆ First time visitors and special guests were recognized.
- ◆ Introductions were made by those present.
- ◆ Kyle called for committee reports:
- ◆ Treasurer's report – presented by treasurer, Ralph Pickwick, KJ4CNC:
- ◆ Membership report – available in the *GARzette*.
- ◆ GARS currently has 252 members.
- ◆ More GARS members need to join the ARRL for GARS to preserve its Special Service Club status.
- ◆ The Tech Ham Cram on July 20th was a success and 14 of 16 attendees passed the test.
- ◆ There is a VE session every 2nd Sunday at Fire Station 5.
- ◆ The Dog Show is August 22-25. Please sign up for one or more shifts
- ◆ Some equipment has been donated to the club and will be listed on the GARS Yahoo Group for sale or for give away.
- ◆ There is a lazy fox hunt being planned for September.
- ◆ Prize drawings were held.
- ◆ The program for tonight was Maintenance on the GARS Field Day antennas and also demos of portable HF antennas.
- ◆ There were 67 attendees.
- ◆ The meeting was adjourned at 9:00.

Hal, W4IGE, Secretary

Dog Show Memories by David Harden, KJ4CMY

Oh, the joy of getting up at four am (oh dark thirty for you military vets)! I decided to leave about ten minutes earlier than I had planned. It was a good thing, too, because I arrived about two minutes before 6 am. I only did one shift at the dog show in February, and I enjoyed it. I decided that I would try to do two shifts if the heat didn't get too bad. Joel Barrett had provided a wonderful e-mail with all the information one would need to work the dog show. Having been there in daylight in February, I found the venue with ease.

I parked my van, gathered the things I needed, and Jeff, AB4HF, drove me in the golf cart to my position. Jeff seemed to like driving the golf cart around. I was asked to guard the portion of the parking lot reserved for the judges. "Guard these Cones with your life!" Well, maybe it wasn't *quite* like that. All I had to do was keep unauthorized vehicles out. I have trouble standing, and it was a job I could do while sitting down most of the time.

The weather was cool for the first four hours. It was cloudy, and there was a constant breeze. I was prepared for rain, but only felt about three or four raindrops. About 10 am, the clouds dispersed, and the sun came out. Joel advised us in his e-mail to bring sunscreen, but I didn't listen. My arms started to get warm. I was able to relocate my chair to stay out of the sun for the rest of my time there.

They did feed us lunch. I was given a break about 11 am, and took my lunch coupon to the concessionaire, where I got a hot dog, chips, and a drink. It wasn't great, but it was free! I did bring plenty of snacks, and would advise anyone else working a dog show to do the same.

Was working the dog show exciting? Well, yea and no. No, it wasn't as exciting as Six Flags, but it was for a good cause. Both GARS and ARES receive a nice donation for our service. I belong to both, so I like to believe I did "double duty". Yes, it was exciting to get out and "play radio" for a good cause.

The next dog show should come around again in February. I hope to be one of the first to sign up. [Please join us!](#)

CALENDAR OF EVENTS SEPTEMBER 2013

Mon	Tue	Wed	Thu	Fri	Sat	Sun
26 8:00 pm - 9:00 pm GARS 2m Net		27 8:30 pm - 9:30 pm GARS Know-It-All-Net		29	30	31 7:30 am - 9:30 am Breakfast at Golden Corral on Riverside Drive
2 8:00 pm - 9:00 pm GARS 2m Net	3 6:30 pm - 8:00 pm GARS Exec Meeting	4 8:30 pm - 9:30 pm GARS Know-It-All-Net		5	6	7 7:30 am - 9:30 am Breakfast at Golden Corral on Riverside Drive
9 8:00 pm - 9:00 pm GARS 2m Net	10 5:00 pm - 6:30 pm Dinner at the Flying Machine	11 8:30 pm - 9:30 pm GARS Know-It-All-Net		12	13	14 7:30 am - 9:30 am Breakfast at Golden Corral on Riverside Drive
16 8:00 pm - 9:00 pm GARS 2m Net		17 8:30 pm - 9:30 pm GARS Know-It-All-Net		19	20	21 7:30 am - 9:30 am Breakfast at Golden Corral on Riverside Drive
23 8:00 pm - 9:00 pm GARS 2m Net		24 8:30 pm - 9:30 pm GARS Know-It-All-Net		26	27	28 7:30 am - 9:30 am Breakfast at Golden Corral on Riverside Drive
30 8:00 pm - 9:00 pm GARS 2m Net	1 6:30 pm - 8:00 pm GARS Exec Meeting	2 8:30 pm - 9:30 pm GARS Know-It-All-Net		3	4	5 7:30 am - 9:30 am Breakfast at Golden Corral on Riverside Drive
						6

Metro Testing Sessions	Ham Exam Results for August 11, 2013	Metro Club Meetings
<p><i>GARS publishes Metro Atlanta VE exam schedules as a service and is not responsible for errors or changes. Call and confirm schedules before going. All sessions are walk-in. Take copies of current license and certificate of completed elements with you to all sessions. Find additional sessions online at http://www.arrl-ga.org.</i></p> <p>First Sunday, ODD Months 2 pm (Jan, Mar, May, Jul, Sep, & Nov) WCARS VEC Braselton Public Utility Building 4986 Highway 53, Braselton, GA Roger Gibson, WB4T (770) 271-4210 or (770) 712-9560 w4rlg@bellsouth.net</p> <p>First Sunday, EVEN Months 2 pm (Feb, Apr, Jun, Aug, Oct, Dec) WCARS VEC Hall County EOC 470 Crescent Dr. Gainesville, Ga. Perry Roper, KO4RD (770) 536-3056</p> <p>Second Saturday, ODD Months ARRL VEC 8:30 a.m. Stone Mountain Methodist Church 5312 West Mountain St. Stone Mountain Bob Varone, W4ETN (770) 978-3179</p> <p>Second Sunday VEC: W5YI 2 pm Gwinnett County Fire Station #5 3001 Old Norcross Road Duluth, GA 30096 Contact: Dave Bruse, W4DTR Email: exams@gars.org</p> <p>Third Saturday VEC: W5YI 3 pm (Except December) Auburn City Hall Council Room 1369 Fourth Avenue Auburn, GA Steve Donellan, N5SMD (404) 520-0368</p> <p><i>(cont. next column)</i></p>	<p>We had an excellent exam session today, Sunday 11 AUG 13.</p> <p>5 out of 5 applicants passed!</p> <p><u>Ham exam session results:</u></p> <ul style="list-style-type: none"> - 2 new Technicians - 2 new Generals - 1 new Extra (from scratch!) <p>Thanks to the VEs who made this exam session possible:</p> <ul style="list-style-type: none"> - Mark Fehlig, WA6NGC (Co-CVE) - Karen Whited, KJ4VQI - Larry Whited, WB4FGF - Sid Weaver, N4NQ (Co-CVE) - Gary Smith II, AK4PT (Co-CVE) <p>Thanks & 73's, <i>Mark Fehlig</i>, WA6NGC Session CVE</p> <p>Email: exams@gars.org</p> <p>GARS VE Website: http://groups.yahoo.com/group/ARS_VE_Team/</p>	<p>First Tuesday Kennehoochee ARC Downtown Marietta Fire Station #1, Training Room 112 Haynes Street Marietta, Georgia 30060 Meeting begins at 7:00pm Talk In 146.880(-)</p> <p>First Thursday Atlanta Radio Club Georgia Red Cross HQ 1955 Monroe Dr., Atlanta Meeting is at 7:30pm Talk In -146.820(-) N.E. Georgia ARC Commerce Public Library Meeting is at 6:30pm Talk In - 147.225(+) PL 123.0</p> <p>Second Monday Georgia Tech ARC Room W218 Van Leer Electrical Engineering Bldg. Georgia Tech Campus Meeting at 7:00pm</p> <p>Second Thursday Alford Memorial Radio Club Annistown Road Baptist Church Intersection of Annistown Rd & Spain Rd Stone Mountain Dinner at 6:00pm Meeting at 7:30pm Talk In - 146.760(-)</p> <p>Second Saturday North GA QRP Club Board Room of The Shepherd Center at 2020 Peachtree Rd, NW, Atlanta at 10:00 AM</p> <p>Third Tuesday North Fulton Amateur Radio League Masonic Lodge 194 Milton Avenue Alpharetta, Georgia meeting at 7:30pm Talk In - 145.47(-)</p>
	<p>Fourth Tuesday ARRL VEC 7 pm @ United Way Service Center 6279 Fairburn Rd., Douglasville Jessie Clower, KB4WFK (770) 942-6466</p> <p>Fourth Sunday 2:30 pm Georgia Tech VanLeer Elec. Building Rm. W218, 777 Atlantic Dr. See www.w4aql.com Alexander G. Carver (404) 894-2936 acarver@ece.gatech.edu</p>	
		<p>For more, go to: http://www.gars.org/</p>

Washington, D.C., 1924. Tweaking the dials on a Freed Eisemann Neutrodyne receiver and a Western Electric 138 amplifier. On the shelf: Westinghouse "Rectigon" battery chargers. Harris & Ewing glass negative. [View full size.](#)
Thanks to Bill Cherepy, WB4WTN.



The GARzette

The *GARzette* is the official monthly newsletter of the Gwinnett Amateur Radio Society, serving its members and other persons interested in the advancement of the amateur radio art.

Original articles, art, and photos are invited and encouraged. Previously copyrighted submissions cannot be accepted for reprinting unless permission from the appropriate publisher is provided in writing along with the information being submitted. If reprints are from publications allowing their unrestricted use, please include a copy of the printed permission contained in the publication.

If possible, bring your articles to the monthly meeting in Microsoft Word or rich text (.rtf) or text or HTML format or by email to n4gyn@arrl.net. Artwork can be accepted in most any graphics format and can be submitted via email to the same address. Alternate means of submittal can be arranged when necessary.

In keeping with the amateur radio spirit, permission is hereby granted for the reproduction of *The GARzette* articles by other amateur radio club newsletters provided that proper credit is given to the individual author and *The GARzette*.

The GARzette is published each month with the assistance of Norm Schklar, WA4ZXV who prints copies for distribution at meetings, etc. and Dave Bruse, W4DTR, who distributes the news letter electronically.

Deadline for submissions is the 25th of each month for inclusion in the following month's issue.

For additional information view our Website at: <http://www.gars.org>

Newsletter Editor: Ray Bailey—N4GYN
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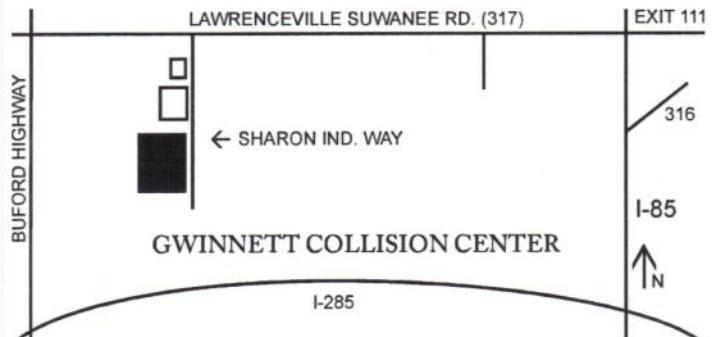
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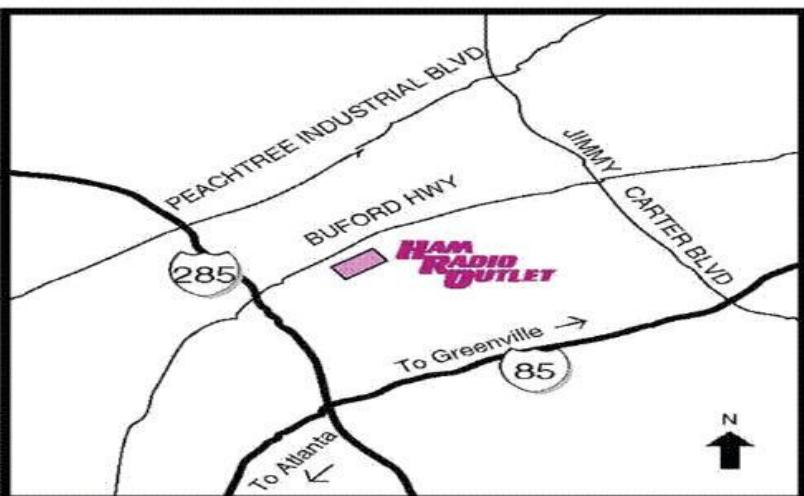
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